LM-AVCM

AIOT programmable control system

IOT central control series with Cortex @ -M4 + Cortex @ -M3 dual-core processing chip, built-in low-power, high-performance DAC audio processing module, configured with 1.9-inch full-color high-definition IPS LCD display.

The 10/100M two-way network interface supports the standard POE power supply IEEE802.3af standard. At the same time, the system provides control indicators for each signal interface, which can dynamically monitor the working status of each signal interface.

● 1-channel audio input and output port

Support a digital audio signal input port for digital audio processing, support bass enhancement, treble, EQ, etc., and then output 24-bit stereo.

● 1 infrared receiving port

The system has an infrared receiving port, which can receive infrared signals to realize the infrared learning function.

● 4 Infrared emission port

Four independent infrared transmitting interfaces are provided, and multiple infrared devices can be connected.

● 4 Small signal relay control interface

Provide 4 independent small signal relay control interfaces for easy expansion.

● 4 digital I/O ports

It has four independent digital control I/O ports.

● 1-way RS _ 485

Support one RS _ 485 signal interface.

● 1-way RS _ 422

Support one RS _ 422 signal interface.

◆ 5-way RS _ 232

Support up to 5 independent three-wire (RXD, TXD, GND) serial port RS _ 232

signal interfaces. ● 1-way RS _ 232 with RTS, CTS

RS-232 interface providing hardware control flow RTS, CTS handshake function.

● 1-channel TYPE C USB interface

The universal TYPE C USB interface can be used for system upgrade.

● 1-way 24V fire signal monitoring interface

Provide 24V fire signal monitoring interface to facilitate the application of fire monitoring.

● 1-way POE power supply

Supports one standard POE power supply, compliant with IEEE 802.3af standard, with

a maximum output power of 15.4 W. ● Two-way network interface

2 adaptive Ethernet RJ45 interfaces.

Quality Assurance:

1. Electrostatic test: ESD test is performed at up to 15,000 volts according to the EN/IEC 61000-4-2 standard. This ensures that the product is not subject to electrostatic shock.

2. Environmental test: test the storage temperature (-20 ° C to + 70 ° C) and operating temperature (0 ° C to + 50 ° C) of the product. It can be seen that our products can be successfully used in installations around the world and withstand a wide range of temperatures. Testing products at 5% to 85% non-condensing relative humidity ensures that temperature and humidity do not affect operation when the solution is installed in any environment.

3. Electrical Tests: Products will be subjected to a series of electrical tests, including reverse polarity, minimum and maximum operating voltages, and "brown-out" conditions. External tests are performed in accordance with UL or IEC 60950 operating standards.